

Smithsonian
Library No B.

July 16, 1939



Last mammal no 1171
Last Box filled no. 60.

July 16, 1933 Last night
I stayed up very late
to finish preparations
for the trip. This
morning I was up
at daybreak, and we
made a good journey,
65-70 li to Shi Pu.
The chapel had been
occupied by troops and
was in an awful
mess, but we cleaned
it up and were
quite comfortable.
It was a terrific
hot day.

I had to visit the officials in two places to get an escort, which was one man without arms.

July 17 Reached Kuanshien. Passed one place where enemy troops were a quarter of a mile away. I got passports ready. The bridge dividing Kuanshien city had been destroyed, and very recently rebuilt. There had been ^{heavy} fighting about the city for nearly two months. There had been considerable cannonading and rifle firing. The officials were very

kind, and gave us ^{passports} and nearly all of them are useful.

July 18. We travelled 60 li to the top of the Yang Lai Lin pass, and are ~~on~~ the temple at the top of the pass for the night. The collectors caught a fair catch but some of the butterflies were ruined.

This morning we got up early, and went to the west gate of the city, where we travelled along the main road. The Min River is very near this road - or rather the road is on the north bank of the river.

The 24th army occupies
the south bank. They fired
three times at us ~~near~~ the
city and twice about five
miles above the city. I
left ~~west~~ gate and ran
the gauntlet first (walking)
and got clear past before
the firing began. None
of us were injured.

In my party is ~~Dr.~~
Thomas Torrance, F.R.C.S.,
acting as guide, for he
is very familiar with
this region, Dr. W.B.
Morse, an ichthyologist, and
Dr. Agnew, famous for
his discovery of the cause
of dental caries.

The altitude here on the pass
is 5300 feet.

I did no shooting today ^{because}
there is war not far away,
and shooting might stir
up the Chinese and cause
trouble.

Yang Fong Tsang and
Mr. Son Khuen are supposed
to be working just on the
other side of the pass
and I am hoping that
we can connect up
with them tomorrow
and they can join the
party.

July 19, We reached a place
about 3 miles down the
river from Tiao³ / Kuan¹.

The name is Yin⁴ Shiao⁴ Kuan¹
and the altitude 3900 feet.

This morning my
messengers got into touch
with Ho Son Lehen
and Yang Long Sang.
They met me 15 li down
from the summit, on the
road. They are to work
the same spot as before
instead of coming along
with me. They have
a number of large mammals.
We got a good catch of
night moths last night,
at Yang² Poi³ Lin Pass,
the altitude of which is
5200 feet.
July 20, we travelled to.

a small village just 10 li
down the river from Tai²
Kuan¹. Ho Son Lehen is
coming along to help train
my ~~two~~ students so they
can do better skinning.
We got a fair catch of
insects. Last night very
few insects were caught
by means of the lanterns.
July 21, we travelled to Wen²
Lehuan Shien, arriving
early. The catch of
insects was small but
a few of the insects are
rare. We got so many
lizards that we can not
keep them all. I got two
snakes, one so large

that I had to cut it
in two in order to get
it into the bottles, and
the other very small. The
coolies are very tired.

July 22. In the morning
Ho San Leuen skinned
several birds with the
students Pen and Sam
to give them practice
skinning birds. All day
Yao netted insects.

In the afternoon Pen and
Sam went out collecting.

I spent much time working
over the collections, seeing
that everything was well
preserved. A Wa Si
aborigine friend brought

me three large animals
called Pan Yang, a fine
male wild boar, and
an animal like the
lynx. The skin and bones
of the latter are in bad
shape. Insects have
injured all the skins.

We are staying in the
local Chapel or church,
and will leave the large
specimens here until
we return. In the future
I may refuse to take
any but perfect specimens.
I am taking these specimens
hoping they are useful, and
in order to encourage the
collectors to continue.

Filled Box 61, proceed

Box 62, Insects (mostly ^{the})
near Wen Chuan

Box 63 Insects in bottles
between Kuanshien and
Wen Chuan

also 64, Insects in Bottles
July 23. Today we labelled
specimens and numbered
them, preparing to go
farther up the valley. The
carpenter has made some
boxes to contain the
specimens.

Mammal no 1172
is a lynx killed
about April 1-30 in
the mountains
near Wen Chuan
Szechuan China.

altitude probably
above 5000 feet
July 24, we travelled
to Wei Chow and on
to a village called
Ka⁵ Ju³. The altitude
of this village is 5200
feet, and of Wei Chow
about 5000 feet.

The country was
semi-arid and
it was windy so
we caught very little
The last time I came
into this region there
were simply swarms
of flies but now there
are very few. We tried
night moth catching

tonight, but almost
no moths came to
the lamps. We
secured some lizards
25. We travelled mu²
sang & Sai, catching
many good insects.
The altitude here is
8000 feet. It is a
leuang aborigine town.

We have had very
poor luck catching
night moths last night
and tonight the moths
did not come at all.

26. We left some
of the loads at mu²²
sang & Sai, and
the collector and

I went up to a temple
in the edge of a grove
on a nearby mountain.
During the day I hunted
and netted, and Pen,
San, and Yaw netted.
This is a rich place,
and we got a good
catch during the day.
I climbed up a valley
and over a pass
10650 feet high. It
was ^{very} hard climbing,
and worse because
many of the bushes
had thorns on them,
and the road or
path was very rough.
We came back

Through a valley. I
shot a mountain
goat at about 300
yards. He fell down
the cliff at the
first shot, unable to
run. We have the
lanterns out tonight
and the moths
have been coming
so fast that two
people could not
catch them - part
of the time. We set
a few traps for
small mammals.
The altitude at
this temple is
8900 feet.

Mammals 1173 - 1176
are mountain sheep skins
and a wild boar skin
killed last spring near
Wei Chuan Shien.

Mammal 1177 is
a cliff goat killed by
Hedgraham near Mu²
Jung Tsai, which is
on the mountain above
Heng Men Wei. The altitude
where it was killed is
about 9000 feet.

July 27. Last night we
had a wonderful catch
of night moths.

Filled box 65, caught
near Mu² Jung Tsai
alt. 8900 to 9000 feet

Filled Box 66, insects
from Mr. Sang Tsai,
alt. 8900 - 10000 feet

Today it took the
netters until nearly
noon to wrap up the
insects we caught
last night. This
afternoon we all
collected in the mountain
back of the temple.

I hunted for big game,
but saw none.

July 28

Filled box 67, insects
alt. 8900 to 10000 feet.

Filled Box 68, insects
caught last night at Mr.
Sang & Tsai's last

night, alt. 8900 feet
we went down the
mountain over a very
difficult and somewhat
dangerous path to
Hlong' men & wait.
The wind blew so hard
that we caught almost
nothing, we spent
considerable time
wrapping the insects
caught last night.

There are yellow
monkeys and wild
boar around here,
but they are hardly
worth shooting.
Last night secured mammals
no 1178 - 1179.

July 29. I had the collector
give dry the skull of
the mountain goat I
recently killed. The
rascal carelessly burnt
it until it is quite
ruined. Some teeth are
broken off. The horns
are burnt, and a
hole burnt in the
skull. I gave him
a big scolding. Later
in the day he brought
in a big snake.

It was very poor weather
for collecting today, with
a high wind &c. We are
preparing for a trip to
higher altitudes.

The cook's struck for
more money this morning.

Today we dried and
boxed the insects, cleaned
and oiled the guns, &c.
I sent a messenger to
Wei Chow for provisions.

The carpenter made some
boxes for specimens.

July 30 Last night we
collected night moths
until 2.00 a.m. There were
few in number, but looked
quite interesting. The
moon is coming out a
little more every night
and that will greatly
injure our night-moth
catching. Yesterday we

got a snake.

Filled Box no 69, insects
in bottles.

July 31. With the three
collectors, Pen, San, and Yao,
I went up the mountain
to a Chiang' aborigine village
called Bu⁴ Jan² Is'en¹.
The altitude in the temple
where we are staying is
8000 feet. The village, which
consists of houses made of
stone, is just below us.
This afternoon we went
out collecting along the
hillside. Near us is a
large forest. We got
a fair catch of insects.
Tonight we set a lot

of traps for wild mice, but
we had only hard biscuits
for bait. A band of monkeys
was seen a few miles from
here, but they are the ^{common} little
yellow monkeys of very
little value. We got a few
salamanders in a
mountain creek at
about 8500 feet altitude.

There is a very long
gnat or fly around here
that you can hardly
see, but which bites
as hard as a mosquito.
Last night I got
the netters at work about
two o'clock A.M. The ^{morning}
went down about that time.

It is useless to try to catch
night moths when the
moon is shining, even
behind clouds. I've got
several hundred moths
before daylight. We
filled ~~by~~ 170 night
moths etc, alt. moths
about 8500 feet. It rained
today so we caught no
day insects. I went
out this morning and
got my clothing soaked.
This afternoon I went
out again and got
caught in another rain
and got soaked again,
so tonight I had to take
as much and go to bed.

I had very bad luck
shooting. I shot at a mountain
goat at about 500 yards.
I probably touched him, but
did not kill him. I hit
four birds, but lost them
all in the thick ^{under-}brush.
We trapped two
mountain rats, mammals
no 1180 - 1181 alt.
8500 feet. We are in a
temple just above the
Lhian aborigine village
Bu Jan Peh, alt. 8500 feet.
Aug 2. I shot two birds
at 9000 feet. We got a
small catch of night
moths last night
because of the moon.

Caught mammal 1152
we went after large
mammals, but did not even
see any. we got a good
catch of day insects
mostly bees. I got a
bad chill yesterday
and had to take

aspirin and quinine
Filled box 71 with
night moths, bees &c.

Aug 3. This morning we
came down the mountain
to Long Men wai, going
over some terrible roads.
Much of the land was
seriously arid and the
catch was not large.
Last night I got

the netters out with
the gasoline lanterns
after the moon had
set, at about 4 o'clock,
and they got a good
number of moths.

Aug 4. We have been
roving up and down

the valley near
Long Men wai. I packed
up for the trip up a
nearly valley to
Er². Filled box
72 with insects (dry)
and box 73 with insects
in small bottles.

The mountain
goats were on a cliff
which was almost

Aug 5. We travelled up
the creek called Hong
men² go' to the
village called Oh¹ Er².
This is an aborigine
village, one of the last
up this creek. We caught
some very good insects
today. This looks like
a place well worth
working. We got some
rare butterflies today.

This is a Chiang
aborigine town. The
village head is very
friendly, and will
do everything to help.
The three netters
will net and trap.

I will hunt birds and
large mammals.

We will have to
bring practically all
our provisions up
from Wei Chou for
there is little here.
Aug 6. Today the three
collectors netted insects,
with fair results. I spent
the day hunting with
two hunters and a
guide. I killed one
strange-looking bird;
and three mountain-
goats.

Filled box 74 dried
insects. Killed one
snake.

The mountain goats
were on an almost
perpendicular cliff.

The hunters did
marvellous work
getting along that
cliff after the game.

mammal 1183, female, ^{wild goat}

" 1184 male

" 1185 female

Aug 7. Trapped two mammals

no 1186, a mouse, 9000 feet

" 1187, a squirrel, " "

We spent the whole day
working hard to take

care of the specimens
killed yesterday. Only
Yao was able to
net insects.

we are setting traps
every night.

Aug 8. I left the three
netters at O'er² and
went to Hong¹ Wei² wai⁴,
where I sent up the
gasolene lanterns, food,
gasolene, kerosene, etc to
K'er. Then I went on
to Sao² Pei³ Pin²,

or Peach flat,
a Chiang aborigine village.
I will soon return to
O'er. for more wild game
hunting. The altitude
of Sao² Pei³ Pin² is just
6000 feet (the aneroid
says 6050).

aug. 9. I am now in the
home of the Lehian Chief
of this region, in a Lehian
village called ^{gien}³ ^{Pei}³ ^{Peen},
altitude 8000 feet. I will
remain here tomorrow,
and return to Q'er²
hoping to kill some big game.

aug 10. It rained hard all
day, keeping us indoors.
at night the men and
women of the neighborhood,
Lehian aborigines, gathered
and gave a folk-dance
for the benefit of Mr. Forance
and me. Near the
close, they sang as they
danced in good idiomatic
Chinese "Mr. Forance

has faced many hardships
in climbing these mountains.
May he become wealthy
when he goes back home."
aug 11. I left ^{gien}³ ^{Pei}³ ^{Peen}
early in the morning,
and by hard travel reached
Q'er by dark, 80 li of
mountainous country.
The men I left behind
at Q'er did pretty good
work in getting insects.
I visited the local official
or chief and arranged
to leave on a hunting
trip tomorrow.
aug 12. Today we
travelled up a big
valley far beyond any

human habitation,
and tonight are living
in tents. I shot one
squirrel, mammal
no. 1188, resembling
a large chipmunk.
we got some good
insects. There was
no road, but just
a path through the
dense brush and
deep grass. The
coolies had an ex-
ceedingly hard time,
and we had to wait
for them a great
deal. Sometimes
the underbrush
was so thick over-

head that the coolies
could hardly get
through with their loads.
There were some stiff
climbs: we have
two guides, who assure
us that there is lots
of big game, but we will
have to travel most
of tomorrow to get to
the camping place.
Aug 13. We started early
and the coolies travelled
better than yesterday.
The underbrush was
thicker, and we got
into the region of
Rhododendrons. By
hard travel we ^{reached}

The camping place
at one o'clock, after
crossing fallen tree-
trunks, small streams
hills, &c. we saw tracks
of the black bear.
I killed a grouse &
pheasant, I think
it is new to my
collecting. The port
cooks did not bring
any bedding and
kept warm around
a fire all night
at least on one side.
We are living in
a tent, but the

guides and two cooks
are in a nearly
cave. I expect
tomorrow to climb
up a high mountain
to shoot the big-
horned mountain
goat called Pan Yang.
We did not know
how far this is, and
thought it could be
reached in one day.
We expected provisions
to come tomorrow,
and our food is
very low. Today we
ate the pheasant
meat and used two

kinds of wild grass for
vegetables and a wild
onion and the other
a wild celery.

This is a rich
spot to collect in. One
should spend a
month here. We are
far beyond human
habitation surrounded
by mountains and
forests. Mr. Per
is with me, collecting
and the other
collectors are at

O' Eri. The altitude
where we have pitched our
tent is 12500 feet.

Aug 14. With the two
native guides I climbed
up the ^{steep} mountain side
past a large snow bank
to a cave or rock shelter
at 14100 feet altitude.
I sent back for my bedding
so as to stay here all
night, hoping to get big
game. The guides brought
no bedding, but expect
to keep a big fire going
all night to keep them
warm. Late in the
afternoon a heavy rain
came up, making it
impossible for us to
hunt.

We sent a messenger

after provisions this morning, for our supply is getting very low.

Aug 15. Killed mammal 1159 also two small birds.

This morning we were up at daylight, and I climbed the mountain to the height of 15300 feet, at 15200 feet I collected insects, securing three large flies that looked exactly like bumble-bees. They are wrapped with the bees and butterflies I secured about 15 of the transpar-

ent butterflies that are found only on the mountains about 14000 to 16000 feet high in West China, and a few bumble bees and long-legged-grand-diddies.

We found lots of tracks of the large, big-horned mountain goat called P'ang Yang, but not a single goat. The tracks were a few days old. I concluded that luck was against us this time, and tomorrow we are going back towards

Q Er where we hope
for better luck,
More food supplies
reached us today,
we have been eating
wild mountain ~~grass~~ ^{herbs}
for part of our vegetables
but some of them are
quite edible.

Our head cookie
is sick, and I'll
have to make a
special trip to
Q Er to look after
him.

We have secured
some very interesting
insects, but not a
large quantity.

There is near here
a small glacier (a tiny
one) consisting of a pile
of snow that never
completely melts away,
at the lowest altitude
I have seen or heard
about in Szechuan.
The altitude is 13500 feet.
The heaps of snow on
the mountain above
are about 15600 feet.
This "glacier" is caused
by the drifting of large
quantities of snow during
the winter. a small
stream runs through
under it, making a
sort of a cave.

Aug 16. There was a very heavy frost last night and it was so cold that I could not sleep for about three hours. This morning our tents were covered with frost.

I started ahead with the guides and my guns, hoping to meet some big game, but saw nothing - but tracks of bears etc.

We moved camp to a spot near O, Er, camping there for the night. In the afternoon the guides and I climbed a nearby mountain but saw no game.

We have worked exceedingly hard, with very bad luck. We have not seen a single large mammal during the last five days. The guides feel very badly about it. Tonight we are at the altitude 210800 feet.

Today I bought a pheasant new to my collecting that is said to thrive near the snow line. It had been cut open down the belly and dried out flat, but Mr. Pen did a fine job of skinning and restoring it.

We are returning to O Er tomorrow. I killed

five small birds today.
There is no moon now
until about 3, or 4 AM,
and tonight there are
clouds, so insects are
coming to the lantern
pretty well. Mr. Pen
worked until two
o'clock last night
skinning birds. He is
still slow, but improving
much in the quality
of his work.

We are above any
human habitation and
there are woods all
around us. Tonight
the moths are coming
to the lantern so

fast that two men
can not catch them
as fast as they come.
Filled box no 75,
Insects caught between the
altitudes 9000 to 15200 feet.
(Dry insects),
aug 17. Filled boxes
76-86, insects secured
near Wei Chow.

Last night we had
the largest catch of
night moths that we
have secured this summer.
For awhile two men could
not catch all the moths
that came.

This morning we
came back to O-er,

arriving at noon. This afternoon I went hunting and killed a big black bear. we have it partly skinned.

The bear appeared yesterday and ate a lot of the farmers' corn. This afternoon ten natives, several with guns, posted themselves around the forest on the side-hill where it was known that the bear was hiding. Three or four of ~~them~~ ^{them} went through the forest and chased the bear out in the direction where I was waiting

with the Newton - high-power rifle. after a while he appeared, about 300 yards away, on the side of the mountain. The first shot missed but the second killed him dead. He was ^{running} when I fired. He rolled to the bottom of the hill and lay in some brush. I went up to him ^{cautiously} but he was stone dead. He was a male, weighing about 300 lbs. It took from ~~four~~ ^{four} to six men to carry it up the mountain to O'Er. The measurements

are,
 Length 1, 1548 m. m.
 2, 100 " "
 3, 243 " "

Mr. Miller's scale.

The natives think
 I am some hunter,
 although I am only an
 average shot. The
 rifle is some gun.

Mammal no 1190
 is a mouse caught Aug 13,
 at OER, 9,000 feet

1191 (mammal) is
 the big male bear
 I killed yesterday.

mammal 1192 is
 a flying squirrel,
 & ca. Aug 17, 33

Aug 18. It took two of
 the collectors with
 considerable help all
 morning and part of
 the afternoon to finish
 the bear skin. In
 the afternoon I went
 hunting wild bears. They
 come out daily, but
 today they were not
 to be seen for most
 of the time. Three appeared
 in an oat-field just
 before I was going to
 shoot a young woman
 came out and drove
 them away. This was
 tougher luck. She did
 not know we were going to
 shoot the wild bear.

Aug 19. we travelled back to
Hong men² wai⁴ where the insects
were dried in the stove by
Mr. Sam. I dried the tent
and the bear skin; I repacked
for the trip to Psa In Jao,
we will travel as lightly as
possible. I want to see
the country for possible
future collecting. we
got a small catch of
night moths last night.
Mr. Pen is making arrange
for tomorrow's trip.

Filled box 87, insects
from Q-E R Aug 17-18, 800-900 ft

But not 88 insects
from Q-E R, Aug 17-18, 33
alt. 800 to 900 feet

Secured a half-grown
mouse, mammal no 1193
It was partly spoiled
so it could not be
properly skinned.
During the first part
of the night the moths
came to the light well,
but at about 11:30 a
strong wind arose and
they ceased coming.

I have walked at the
edge of 25 many precipices
this trip that I am
getting used to it, and
it gives me no thrill
They have varied
in height from 30 to
200 feet.

Aug 20. With the three
netters I travelled from
Hong Men wai to
Si Fan. We crossed
the river on a rope-
bridge. There is a
drought which has
dried up almost
everything, with
the result that today
we got almost no
specimens. This is
a semi-arid district
near the river level
anyway, but this year
it is just a little
worse than usual.

Here at Si Fan
I met the Brown

family and Mrs and
Miss Hibbard from
Chengtu.
Aug 21. We travelled to
Tsagular, and found
insects as rare as
hen's teeth, and no
uncommon birds or
mammals. The alt-
itude at Si Fan is 6200,
and here it is 7200.
We tried the night
lantern and got few
moths. This evening I
witnessed a native
folk-dance much
like the Virginia Reel.
The altitude at Tsagular
is 7200 feet

Aug 22, we reached
Si Pan early, and
wrapped up all the
insects, filling box
no 84. Insects
Secured between

Long men nai and
Kasagulow, altitudes
5600 to 7200 feet

Today we got few
specimens because
of the very strong wind
and the extreme
dryness of the weather.

Aug 23. we travelled
from Si Pan to Long men
nai and there packed
up for the trip to
wen Chuan Shien. we

expect to arrive there
tomorrow. I reckoned accounts
with the landlord and
others. Much of the
time today there were
few or no insects,
and no birds, snakes
or mammals worth
using. We caught
a good many grasshoppers
last night and this
morning we met many
Chinese soldiers going
to the interior to fight
another Chinese army.
Aug 24 we got all
packed last night.
This morning we got
an early start and

travelling to Wen Chuan
where we will remain
until Monday, the
twenty-eighth, when we
will start for Chengtu.

It was exceedingly
hot and dry today and
there was a strong
wind, so there were
very few insects. We
got some snails
and lizards.

The soldiers at
Wen Chuan were very
friendly and made
no trouble.

Aug 25. This morning
I sent the student collectors
San, Pan, and the netter

Yao to a place high up
on the mountain side
near the timber line.
They will collect there
two nights and come
back Sunday morning.
I am packing and
arranging for the
final trip to Chengtu.
I have a ^{wa si} ~~wa si~~
aborigine collector ~~collector~~
working in the mountains
near here. He sent me
word that he had
seven large mammals.
I sent a messenger
this morning and he
should show up
tomorrow night.

I also sent a messenger to Yang Fong Tsang and Ho Son khuen, who are collecting between here and Lehengtu two days from here, requesting them to have their collection ready so that we can go on promptly without delay, and to have men called to carry the loads.

This afternoon we had a severe earthquake lasting about four minutes, and we had a tiny after-shock about three hours later. Many large

boulders rolled down the mountains and great clouds of dust were seen in all directions across the river from here a man was killed. Some foreigners who passed through early this afternoon were caught in one of the worst places and had some narrow escapes. We were in no danger. Some rock walls and fences were shaken down. This must have extended a long distance and have done lots of harm.

The mammal skins
I am getting will mean
that I have the largest
caravan I have ever
had on the way home.
I secured a poisonous
snake.

The netters forgot
to take the white sheet
for netting. I therefore sent
a messenger, one of our
coolies, to take it to them.
He went a little way and
came back. Evidently
he did not really try
to get there. I therefore
called a messenger on
the sheet, gave him
a lantern, and sent

him with the sheet.
It is a fine night for
netting with plenty of
clouds. Last night the
stars were out, but
we got some moths
in spite of that.

I have received
word from Beh Fuhlin
that the netter there
is getting a very large
catch of moths,
butterflies, &c.

Filled' Box 90,
Insects (dry) secured at
Hong Men Wai, near
Wei Chow.

Aug 26. Today my
waki collector brought in

four rare animal skins
in good condition, one a
white panda. No worms
have eaten any of these
hides. One is an immense
mammal called the wild ox
by the natives. The horns
are somewhat thus 

Another is called a cliff
ass, but probably isn't an
ass.

Yesterday one Chinese
was killed by the landslide
just across the river -
his head was smashed
by a big rock. He was
buried today. We hear
of whole mountain ^{sides}
crashing down. A lehrst-

ian Wasi aborigine was
brought to Mr. Porrance,
who is with me, to be
healed. He was one of
six who were killed
or wounded. He has a
big wide gash on his
forehead at least two
inches ~~long~~ and clear
to the bone, and another
bad gash on the hip.
Mr. Porrance and I
are going to each pay
half his expenses
and take him to
Lhengtu to be treated.
If he is left here ^{he will}
be poorly cared for
and infection will

probably cause his death
This earthquake must
have done a great deal
of damage in Eastern
Tibet: ^{It completely destroyed}
^{a town near Songpan.}

Yesterday the collectors
all went to a ^{pass} village
on the mountain 7600
feet altitude thinking
they would have good
success with the light
lantern. The place
is quite exposed, a
projecting mountain
so there was such a
strong wind that no
insects came. Today
of insects they got
only bees. I therefore

had them come to the
City of Wen Chuan, and
tonight the night work
are coming fine. On
the mountain at the
elevation of 7600 they
captured a big red
snake of a species
I never saw before. I
think it will interest
Mr. Steingager?

Mammal no 1194, biggest
male.

Mammal no 1195, white panda male

" .. 1196, Tibetan? male

" .. 1197, Big mountain goat, female.

These were all secured
at very high altitudes.
Tonight the collectors

we having good luck
with the night lantern
securing moths.

Aug 27. Filled box
no 91, Insects

secured Aug 26, 33
at Wen Chuan Shien,

Szechuan China, alt

5000 feet also

~~Box 92~~
Insects, alt 7700 feet,

near Wen Chuan Shien

Last night the
moths came well to
the night lantern and
the three netters took
twins, working until
about daylight. This
morning it took a
long time to wrap

these and put them
into the box. This
afternoon we packed
up for the trip to
Chengtu. We will have
24 loads.

Aug 28. We got an ^{early}
start, and were making
good progress in the
afternoon when it
began to rain, and
gradually to 'pour'.
We stopped a couple of
hours earlier than
we expected to, staying
for the night at ~~So~~
Sa' Peing² Kuang⁴
altitude 9000 feet.
I saw some fine

wild animal skins that
had been ruined by
the local people. About
5:30 it ceased raining.

This morning I got
a strange, small black
frog. I have offered
to pay for more, and we
have searched for them
for days, but they seem
to be few and hard to
find.

I have a very uncomfort-
able cold deep down in
my throat. It makes it
hard to swallow.

Today we saw
many large stones
that had rolled

down the mountain as
a result of the earth-
quake.

If I could stay in
this section for some
time and just hunt
large centipeds, I could
get a good many of
them.

My main task now
is to get this collection
and that part of it
Yang Jang Tsang and
Mr. Sun Chuen have
down to Lehenghe. We have
probably at least 2000
insects here. My netter
Jen has at least 1000
at Beh Luh Lin, an

important summer result,
and we have some at
Lhungking. If we can keep
the collectors (four or five) all
working for the rest of the
year we will have a very
large collection of mammals
and insects.

I am to reach
Yin⁴ Shin⁴ Wan, where
Yang and Ho are,
earlier tomorrow afternoon.
I have sent messengers to them
to be ready to travel when
we arrive, and will send
a messenger ahead
tomorrow morning.

Aug. 29. We reached Yin
Shin Wan by noon. I
gave Yang Ho & Tsang
~~half~~ of my ammunition
excepting the high power
rifle ammunition, nearly all
my cotton, some wire for
mammals, some labels,
some benzene, arsenic, etc.,
and brought with me
all the animals and
birds they have caught.
We reached our destina-
tion the Yang Tsai Lin
Pass, by four o'clock. To-
morrow I reach Kuanshan
and Sept 1. should reach
Lhengto.

I always carry a very

light load of things most
necessary in collecting.
I hire a carrier with
specific directions that the
load ~~must~~ always be
within easy reach. The
man the head cook's
hired to carry is a weak
dwarf and he has
been continually dropping
behind. I have constantly
urged and coaxed
and even scolded and
threatened. This morning
four cliff pigeons drifted
on the road ahead of
me. I could have killed
them at one shot. I turned
and reached for the

gun, to find the cook
a quarter of a mile away
in the rear. I gave him
a couple of cracks with
a bamboo stick. He grabbed
a carpenter's saw and
whacked at me probably a
dozen times. I managed
to ward off all the blows
without even being touched
and he broke the handle
of his saw. I fired him
at once and now have
an excellent carrier.
Aug 30 We got a fine early
start and went 20
li before breakfast.
About nine o'clock a
heavy rain came up.

delaying us at least an hour. At Kuanshien I had to get the loads through several customs offices. Then I climbed the hill to the nearly summer resort, and visited foreign friends there. I went to the Post office and got money for the rest of the trip, then went to the magistrate's office and the military headquarters and secured passports to make possible the trip to Chengtu. I have 27 men -

loads of specimens and equip-ment, most of them for the Smithsonian Institution but some for the ethnological museum of the West China Union University. Late this afternoon another rain came up.

We wrapped the insects gathered last night this evening. The three netters got up at one o'clock and worked until daylight. On account of the stars few came

to the lanterns,
so they went out
with lanterns and
nets on their hands
and netted night
moths as they flew
out of the grass.

Tonight they were pretty
nearly fagged out, but
they got a good catch.
They have put
much heart into
this summer's
expedition.

A number of
the coolies added
in the interior are
returning from here
so there has been

some rearranging and
repacking to do for
the final stretch of
two days to Leheng-tu
Aug 31. Travelled to Pih
Shien 70 li, we followed
the motor road instead
of going into the town and
it saved a little distance
in travel. The day was
sunny, and fairly cool
after yesterday's rain.

Mr. Porranee took
the auto bus into
Leheng-tu, and I came
along with the loads.
I was to ride a 20 odd-
year-old mule of Mr.
Porranee's. After I had

ridden a short distance
I got off and invited
the collector Mr. Pen
to ride awhile. He got on.

Now, that old mule
has always been led by
a coolie when it was
ridden. But Mr. Pen
naturally decided that
a coolie to lead was
unnecessary, and
dismissed temporarily
the coolie. Very soon
the mule started off
on a gallop for Kuanshien
and Mr. Pen couldn't
control him. He ran
a long way before he
was stopped. Then Mr.

Pen refused to ride
any more, and the
mule refused to be led
by the coolie. Meanwhile
I had gone on quite a
distance. Mr. Pen decided
that the mule hadn't eaten
enough grass that morning,
and told the coolie to let the
mule eat grass awhile and
that after he had eaten
plenty he would no doubt
be more easily led. Then he
went on and left the
coolie alone with the mule.
The coolie did not catch
up with the mule
until dinner time.

I hurried on to Pih Shien.

On the auto road there were few inns, and when I arrived I had a hard time securing one and holding it. I engaged the inn, but before the loads arrived several picksha coolies tried to occupy part of the available space. The inn is not at all a clean and comfortable one. Sept. 1. We pushed along rapidly to Chengtu, making good time, and arriving at the University at about 1:30 P.M. I had to make explanations and show the

passports at two likin offices, but they were entirely courteous, and I got through without being delayed or paying any taxes. I ~~shall~~ have the entire collection at my home. Tomorrow we will all keep busy drying the collection in the oven, and re-binding or rewrapping the specimens of things that we have this summer secured about 3000 insects, some snakes, more large mammals

than ever before, and
fewer birds than usual.
I will get the small
boxes mailed as soon
as possible.

About seventy of
the best scientists of
China came to
Chengtu in August
and visited my
local museum. They
were very enthusiastic.

The entire summer's
collection will be forward-
ed to the Smithsonian
Institution as soon
as possible.

Sept 2. Filled box no 93.
Plants, Box no 94, Insects

Box no 95 - all 5200 feet,
from Yang 'Fei' Jin Pass
Box 96, insects in bottles

Box 97

" 98

" 99

" 100

" 101

" 102

" 103 Salamanders

" ~~104~~ ~~lizards~~

We spent the morning
redrying the specimens^(insects)
in my oven, labelling the
boxes, and wrapping them
for shipment. Several of
us worked most of the
day, and Ho and I
continued until eleven P.M.

Sept 3. Filled boxes

104 - 108, snakes,
salamanders, frogs, and
lizards 109, insects in
bottles 110, snails.

Mammals 1198 - 1228
were ^{small} mammals secured
by Yang and Ho et.

Yin Shin Wan near
Wen Chuan Szechuan China.

Box no 111, twenty seven
small mammal skeletons.

Box no 112, twenty rat skins

Box " 113 29 birdskins

mammals no 1229 - 1247

are larger mammals
secured by Yang Dong
Yang and Ho Jau
Chuen near

1227.

Wen Chuan Shin at
the place called
Yin Shin Wan, a
small village.

Filled box no 114
mammal skeletons and
skulls.

Box no 115, snakes,
insect bones, and an
unborn wild boar.

With the collectors
Pen, Jan, Ho Jau
Chuen, and Yao
I have worked
almost all day up
to late tonight taking
care of specimens,
labelling them and
packing them. These

Chinese collectors have shown a fine spirit.

Today is Sunday but none of us has taken a vacation.

Four or five of the mammal skulls disappeared between Wen Chuan and

Chengtu. Probably they were either stolen or thrown away to make a lighter load by some coolies or coolies.

Sept. The mammal skulls have been found.

Today we mailed

fifty-six boxes of specimens, insects, snakes, frogs, skeletons, and birds.

The collector San lost \$20, w of mine while supervising the stamping of the boxes at the post-office. I let him bear half the loss as a lesson. Somebody stole it from him.

I have spent almost the entire day on the Smithsonian collection, putting arsenic on the mammal

skins, etc. I also
rechecked accounts
with all the collectors
that are here.

Sept. 13. I have taken
a short trip to
Beh Luh Lin, near
Penshin, where I
found the elevation
to be 6000 feet,
and the mountain
or summer resort
to be the most
ideal place for
collecting moths
that I have seen.

The collector
Gen had 70 boxes
of specimens.

allowing 200 insects
a box, there would
be 14000. We are
safe in saying
that there are
at least 10000 for
the summer's
catch by one
collector on Beh
Luh Lin alone.
I am repacking
them to save space,
and will mail
them as soon as
I can. They are
Boxes 116 to 118, filled
today.

Sept 14. Today I finished
redrying the seventy boxes

of insects caught at
the summer resort
Beh Luh Lin. I am
adding naphthaline and
nailing and packing the
specimens gradually. I
think I am more nearly
swamped with specimens
than ever before.

Packed boxes 119-
121, Beh Luh Lin
insects.

Sept 122-130, Insects
collected last summer on
Beh Luh Lin, near
Penshin, China

Today I sent
the netted Yaw
to Kuanshien to

collect at the
altitude of about 4000
feet. I want him
to work there a couple
of months.

The weather has
been too clear for
night work catching,
but it is clouding
up, and there is
no moon, so
we should get
night insects,
Sept. 15. Today I
mailed 13 packages of
insects.
wrapped boxes 131 to 140,
insects collected last
summer at Beh Luh Lin.

we are collecting
night moths every
night here in Cheryto,
but are having only
fair luck.

September 18, wrapped
boxes 141-150, insect
caught July and August
at Beh Luh Shin. I also
spent the entire
evening until eleven
o'clock with Prof. Ho
of the biology depart-
ment of the University
going over the summer
collection from Chungking.
Prof. Ho collected
under adverse conditions
in the Chungking

district, having his
actual expenses paid,
but receiving no
salary, and has
turned his entire
collection over to me
for the Smithsonian
Institution. Luck
and conditions were
against him, but
he got 3 or 4 thousand
specimens, which
will duly be forwarded
to the U.S. National
Museum. I mailed
10 boxes of specimens
today.

Sept. 19. Today I mailed
10 boxes of insects and

also hired a carpenter
to make boxes to hold
the large mammal
skins. The insects are
from Beh Suh din.
Sept 20, 1933

numbered Boxes 151-
162. Insects from
Beh Suh din, secured
last summer.

We got a good
collection of night
moths last
night.

Sept. 21, 33 we got
a good collection of
night moths last
night.

Labelled Boxes 161-162

so that they are ready
to mail.

Sept 22. Labelled and
wrapped boxes 163-172,
insects from Beh Suh din.
Sept 23. Mailed boxes

163-172

Mailed up and labeled
173-183, all Behhadin
insects secured last
summer.

Sept 24. Today the
collector Wang from
the Mupin District
arrived. He has been
hampered by civil
war and brigands,
and brought only
18 snakes and

some frogs after five
months' work. The
robbers took from him
a big black bear
skin. He took two
black mountains ^{goats} ^{and skins}
in June to Mr. Crook
in Yachow. During
the summer insects
destroyed the hides.

I told him we
couldn't afford to
pay wages and
get nearly nothing.
I advised him to
work at his carpenter
trade and if he
brought any ~~thing~~
in I'd pay him for

that and wages while
travelling to and from
Chengtze. I am now
not guaranteeing him
a salary.

Sept 25. Today I
mailed 14 boxes
of insects from
Peh Luhlin.

Sept 27. Filled boxes:
184 insect got 70 miles
north of Chungking
185 Insects from
Chengtze.

186 insects from
Chengtze

187 insects from
Bashien, on the
Yangtze River east of
Chungking.

Box 158 Insect jars
 near Chungking
 alt 2500 feet

189 Insects from Chungking
 190 Insects from Bashien
 191 " " "
 192 " " Chungking
 193 " in bottles;
 Yang Hong Tsang
 arrived today. He wanted
 to send some of his
 jars home, and
 get some clothes made.
 Left 28.33 mailed 10 boxes
 of specimens, insects
 mostly from Bel-
 luk Shih

mapped no 194 - insects
 from Chungking

195 Insects in bottles
 196 " " "
 197 Bones, skeleton
 198 Insects in bottles
 199. Bones, skeleton
 200 Insects in bottles
 201 Snakes
 202 Insects in a bottle
 203 frogs
 204 Snakes
 205 Snakes
 206 Two pheasant
 Two squirrel
 Live small birds

207 5 Pheasants
 10 Small birds

208 4 Pheasants
 9 small mammals

209 fourteen birds

Labelled these for
shipment.
Sept 29.

Filled box 210,
Insects from Chengto
Box 211, snakes
Box 212 snakes
Box 213 Snakes.
Box 214 snakes
Box 215 Snakes
Box 216 snakes
Box 217 snakes
Box 218 Insects
Box 219 lizards and
insects

These were prepped
for shipment and labelled.
Today I mailed

14 boxes of specimens.
also filled box
220, Insects and
snakes.

Sept 30. Today I
mailed all these boxes
wrapped yesterday.

I have still all
the mammal skins
and skeletons to
pack and ship to
the Smithsonian
Institution. There
are more of them
than I ever had
before at one time.

After full moon
is up full night must
so no night moles

Oct 2, Yesterday the
netter Yao came
in with a bad case
of influenza. I sent
~~him~~ to the hospital.
He had written to me
from Kuanshien saying
that he was very ill
and I had sent a
sedan chair after him.
He will doubtless recover.
Yesterday and today
I packed all the
mammal skins and
mammal skeletons.
This is the biggest
lot of this kind that
I have ever had
at one time. I am

wondering how in the
world I can get them
to Shanghai. If a
foreign friend were
going down it would
be easy, but I do not
know of anyone who
is going down. I have
not labelled the boxes
yet.

Oct. 3. Filled box 221
insects, night-moths
from Chengtu, alt. 1700 ft.
Secured Oct 1-3, 1933

The full moon is
out all night now, so
night moth-catching
is useless.

Oct 8, Today I
reckoned up
the account for
the past three
months. It took
all day and until
nearly midnight.
Low exchange and
a tremendous
collection is using
up our balance ^{rapidly}.

Oct 9. The weather has
turned quite cold so
that we have had little
success in catching night
moths. Yao is still in
the hospital with
influenza, but should
be out soon.

Oct. 10. Labelled and
wrapped boxes 222-225
insects secured at Sin Hgai
Si, a summer resort
at Kuanshien, Sept
20-30, 1933, alt about
3500 feet. Box 226
insects in bottles from
Kuanshien and Lehengto

Oct 10. I am taking
Yao off salary. Yao
is now back out of
the hospital, well.
He begins night -
moth work tonight.
Today I mailed
six packages of
insects, 221-226.
The moon is waning,

but the weather
is colder.

Started labelling
the boxes filled with
animal skins and
bones, 227 to 238
are filled with
animal skins.

240 - 242 are filled with
skeletons and skulls
and bones of animals.

No 227, value 15.00.

" 228 " 20.00

" 229 " 30.00

" 230 " 25.00

" 231 " 12.00

" 232 " 10.00

" 233 " 15.00

" 234 " 48.00

No 235 value 10.00

" 236 " 25.00

" 237 " 18.00

" 238 " 15.00

" 239 " 20.00

" 240 " 8.00 bones

" 241 " 12.00

" 242 " 10.00

Oct 15, 1933

Today President
Tsang of the West
China Union University
went with me
to the head military
office of the city
to help secure a
passport that will
enable me to ship
free of duty the

fifteen boxes of mammal
skins and bones that
I have ready to ship
to the Smithsonian
Institution. The University
is in this way greatly
aiding us in our work,
and saving us both
money and trouble.

It has been so
cold that there have
been few night moths.
Oct. 26, 1933

The netter Yao
has had to go home
for a few days to
straighten out some
financial affairs.
Recent word

tells of serious calamities
in the region where we
collected last summer.

Near the end of August
an earthquake did a
great deal of damage.
Among other things it
shook down the cliff
on which the town
of Lich Shi or Lich Shi,
northwest of Mouchow,
was built. ~~Part of~~ shiben
down into the river.
with the cliff went
the town and its people.
The town was destroyed
and the rocks dammed
up the Min River so
that it formed a

sort of a lake in the
Min River valley above.
about two weeks ago
the dam broke loose,
and the water came
rushing down, inundating
both banks, washing
away houses, drowning
hundreds if not thousands,
and nearly destroying
places like Wei Chow.
The bridges were also
washed away, so
people can not come
to Chengtu, and
there is great suffering
among the people.

Oct. 31. The biggest lot
of ^{large} mammal skins, large
and rare, yet secured
has just come in. It
includes the tarbin, the
black bear, and others.

These include

- 4 tarbin, 1 cliff ass,
- 2 musk deer, males,
- 2 black bears,
- 1 wolf,
- 1 squirrel.

7 Pan Yang, females.

The male tarbins
or wild oxen as the
Chinese call them
wounded two hunters,
shattering the arm-bone
of one.

mammal 1248 is called
by Chinese Wild ox or cow, ♂

mammal 1249 is a
female of the same species
mammal 1250 another
~~female of the same species~~

mammal

mammal 1251. Reddish
wolf, male.

mammal 1252, "Cliff ass"

" 1253 female
black bear.

" 1254 male
musb deer.

" 1255 male
musb deer.

" 1256-1261 six
female Pan ~~g~~ skins.

1262 Squirrel from near
wan Chuan Shien.

Nov. 5, 33 I have spent
much of the day working
over the mammal
skins. Those detest-
able beetles are
endangering the lot.

If I could send the
skins off quickly, that
would be fine, but
that can not be

done. I now must
quickly box up the
new skins and
send them off as
soon as possible.

With the unavoidable
delays in forwarding

the skins it is very hard to avoid losing some of the skins because of vermin & insects.

The nasty damp climate that we often have in Szechuan several months at a time often causes the skins to draw dampness, mold, and semi-rot so that they are ideal places for vermin to breed.

Box 243 is insects caught in Chengtu Oct 10 - 20 alt. 1700 feet

My netter Yao has gone home on a vacation, and he is prolonging the vacation indefinitely.

Boxes 244-5 contain frogs from Ruenshan alt. 2400 to 3500

Box 246. Skulls, 12.00

Box 247, Three animal skins 20.00

Box 248 Four animal skins 20.00

Box 249 Four animal skins 15.00

Box 250 Bear skin 20.00

Box 251 Wild cat 30.00

" 252 female " 25.00
" 253 " " 25.00

Box 254 Two animal
skulls value \$8.00
One skin, that
of a lynx, was
so chewed up by
the vermin that
I had to burn it
up. Its number was
1172.

Nov. 7. Filled boxes.

255-256, frogs
from Kuanshien
altitude 2300 to 3500
feet

Today I started
a new netter working.
He is mighty green
at present.

Nov. 8. The new netter
brought in a lot of
grasshoppers, but
put them in with
the butterflies so that
the latter were spoiled.
The netter Jao
returned today, looking
very well and ready
for work.

10. The two netters are
working together. One, the
new one, is learning
from the other.

The Wasi Aborigine
Collector Li who has
been bringing in so
many skins has
been very sick.

unable to urinate
or have bowel
movements. I have
sent him to the
Canadian hospital.
Nov. 11. I have been trying
night - moth - catching
with no success at all.
We'll have to quit it
soon unless there are
some night moths.

I got word today of
the shipment of specimens
by the American Express
Company from Shanghai.

I am sending
Yao to Kuanshien
to net day - insects
and keep the

new man, Bai, here
where I can supervise
him.

Nov 14. Last night
the collector collected
night moths most of
the night. For this time
of year, he got a good
catch.

I expect to forward
a large shipment of
hides soon.

Nov 17. The netter had
poor success with
night moths last
night, and got only
a few common
butterflies today.
I spent a couple

of hours preparing
all the mammal
skins for shipment.

The government
customs official is
coming tomorrow
to inspect them, the
skins, then decide
whether or not they
can go to Shanghai
duty free.

This is by far the
biggest and best
shipment of its kind
that I have sent.
Mammal no 1263 is
a mole.

Nov. 21. Box number
257 is insects.

Caught at Chengde
Nov. 8-16, 1933.

Nov. 24 The netter
Yao has returned
from Kuanshien
with two boxes of
insects. Insects are
scarce now, but
a few are worth
having.

Other boxes no 258-9
Kuanshien Insects
secured Nov 10-21, alt
2000 feet.

Nov 25. I am sending
the collector Yao back
to Kuanshien to work
a couple of weeks. He
starts tomorrow.

Mailed today four
boxes of specimens,
two of frogs and two
of insects.

I caught a rare
moth today, large in
size. I am putting
him in a small
tin box inside the
wooden box. Insects
are scarcer now,
but some are odd.

Nov 29 Dr. Friday, dentist
gave me a rare
leaf - moth I
am forwarding.

Si Song Lin,
the aborigine collector
who is securing

so many good skins
for me, was seriously
ill, and would have
died if I had not
sent him to the
hospital for an
operation. He is
now well and ^{ready}
has started back
to collect.

I expect to start
the 24 big boxes
of animal skins
and bones to

Shanghai soon.
Dec. 3, Friday the
big shipment started
down the river in the
care of Rev. A.P. Quentin.

Filled Box no 260
water insects,

I am mailing
this diary to the
Smithsonian
Institution, and
will start another,
diary B.

Please give me the
scientific names with
the numbers of
mammals 1245 to
1262.

David C. Graham

#1262/33

Filled
water in
can
I am
thus do
Smith
Institution
will etc
Henry

Please
scientific
the numb
mammals

1262,

De

